



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090215

**Mode:** Highway

**Status:** Submitted

### US-17 (New Route - Hampstead Bypass)

**From/Cross Street:** US 17 South of Hampstead

**Specific Improvement Type:** 5 - Construct Roadway on New Location

**To:** US 17 North of Hampstead

**Project Category:** Statewide Mobility

**Length:** 12.32

**TIP#:** R-3300

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$232,415,000

#### Description:

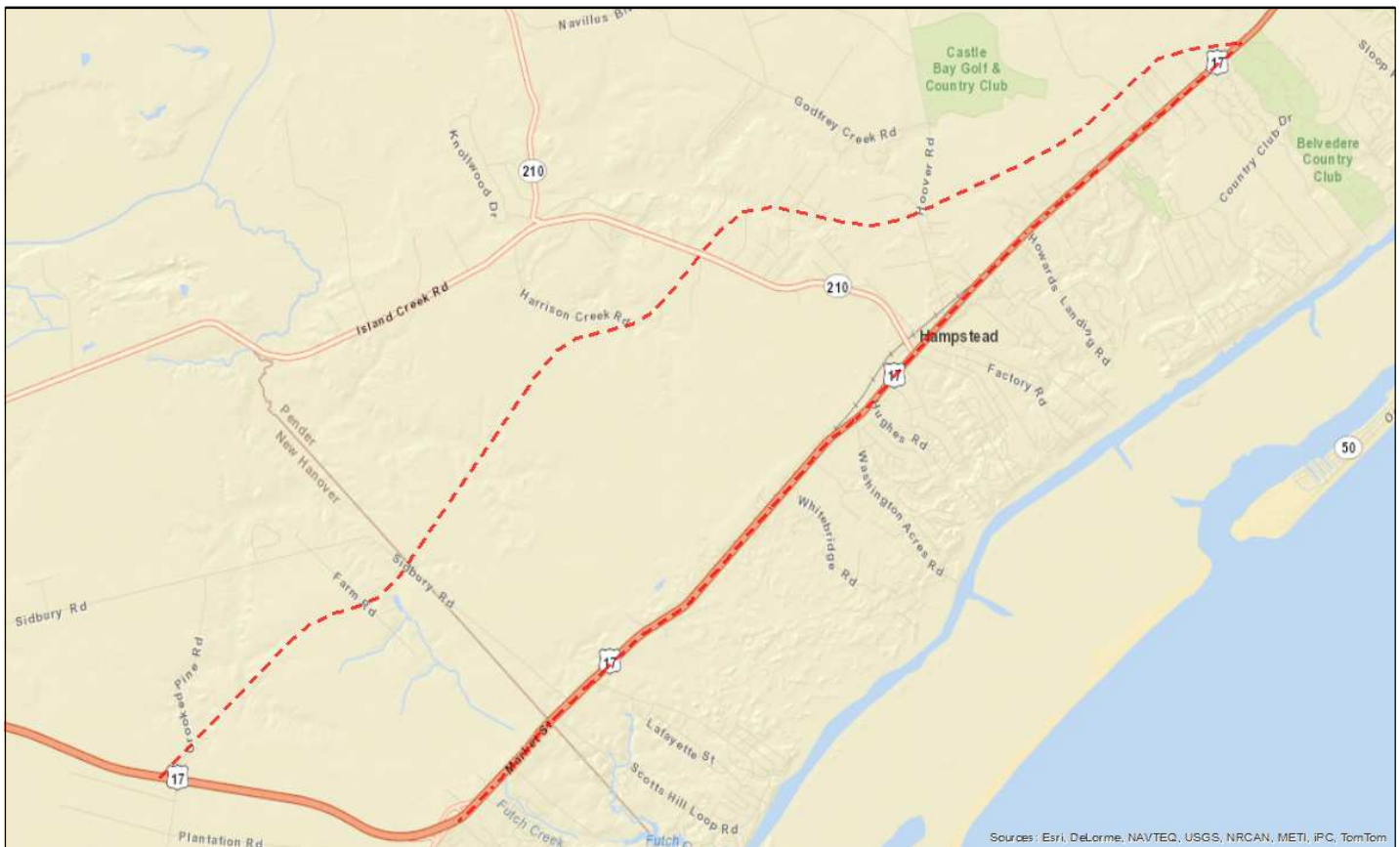
Construct Multi-Lanes on New Location.

**Division(s):** Division 3

**County(s):** PENDER, NEW HANOVER

**MPOS(s)/RPO(s):** Wilmington Urban Area MPO

#### Project Location



**Statewide Mobility Total Score: 34.67**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (10%) 65.61 Economic Competitiveness (10%) 67.31 Congestion (V/C) (30%) 50.09 Multimodal + [Freight & Military] (20%) 24.94 [Travel Time] Benefit/Cost (30%) 4.55 <b>Totals: Weight: 100% Weighted Score: 34.67</b>	N/A	N/A

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (25%) 65.61 Multimodal + [Freight & Military] (25%) 24.94 [Travel Time] Benefit/Cost (20%) 4.55 <b>Totals: Weight: 70% Weighted Score: 23.55</b>	Percent: 15% Points:	Percent: 15% Points:

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 50.09 Safety (20%) 65.61 Multimodal + [Freight & Military] (10%) 24.94 <b>Totals: Weight: 50% Weighted Score: 25.63</b>	Percent: 25% Points:	Percent: 25% Points:

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	9.83
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	Yes
Volume (AADT):	30955.8
Capacity:	49251.34
Volume/Capacity Ratio:	0.63
% Autos:	94%
% Trucks:	6%
Truck Volume:	1845.29
Crash Density:	77.15
Crash Severity:	58
Critical Crash Rate:	61.7
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	88
Actual Congested Speed:	48.08
Travel Time Index:	1.07

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	70
Length (miles):	12.32
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial-Other Freeway
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	46924663.36
Travel Time Savings for 30 Years (Autos):	44127468.42
Travel Time Savings for 30 Years (Trucks):	2797194.94
Long-Term Employment:	539
% Change in Economy:	0.00080711
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 3	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Wilmington Urban Area MPO	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$199,500,000	TIP Unit
Right-of-Way Cost:	\$32,800,000	TIP Unit
Utilities Cost:	\$115,000	TIP Unit
Total Project Cost:	\$232,415,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$232,415,000</b>	